

## Water Plan Update 2003 A New Approach

Recycled Water  
Task Force  
June 3, 2002

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## Topics

- California Water Plan Overview
- **Goals and New Approach for Water Plan Update 2003**
- 2001 Accomplishments/Concurrence
- **Water Portfolio**
- Forecasting for 2030
- **Next Steps before Public Draft**

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## Water Plan Overview

- **Required by law (Water Code)**
- First Water Plan -Bulletin 3 (1957)
- **Seven Updates (Bulletin 160)**
- Update every five years
  - Last in 1998      Next in 2003
- **State's Master or Strategic Plan**

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## Water Plan Purpose

- **Provides framework for state/regional decision makers and investing funds**
- Guides management & development of CA water resources
- **Does not mandate or authorize specific projects**
- Independent of the State Water Project

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## Water Plan Content

- **Report basic information on water resources and water infrastructure**
- Estimate current supplies, beneficial uses (agriculture, urban, environment) and water management
- **Forecast plausible supply and use conditions for the future (2030)**
- Identify water management responses to forecasted conditions

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## Water Plan Update 2003 DWR Goals

- **Meet Water Code Requirements**
  - Including new legislation (Burton; Machado)
- **Expand public input**
- **Develop a “useful” plan**

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## Water Plan Update 2003 New Process

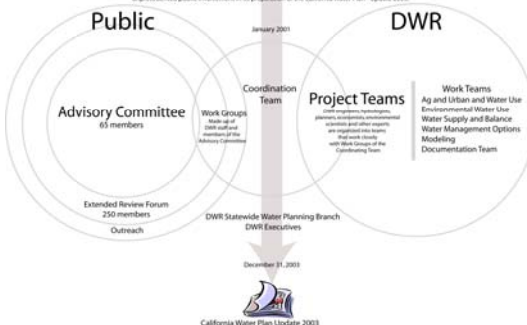
- **Use elements of “strategic planning”**
  - Tool to better integrate local, regional, and state water planning and initiatives
- **Use collaborative, stakeholder-based, open, and consensus-seeking process**
  - Promote public input and understanding
  - Involve more diverse stakeholder community

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## Project Organization and Collaboration

The California Department of Water Resources (DWR) has organized unprecedented public involvement in its preparation of the California Water Plan - Update 2003.



## 2001 Accomplishments

- **Stakeholder-DWR interaction**
- **Concurrence on key features**
  - Water Portfolios for current conditions
  - Building Blocks for future forecasts
- **Assumptions & Estimates Site**
- **Identified next steps**

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## Expanded AC Membership

- **California Regions**
- **Urban, Ag, and Environment Users**
- **Water Suppliers**
- **Tribal**
- **Environmental Justice**
- **Counties and Cities**
- **Business and Academia**
- **Federal and State Government**

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## 2001 Concurrence on Key Features

- **Prepare comprehensive state and regional Water Portfolios**
- Describe current conditions using actual data for 1998 (wet), 2000 (average), and 2001 (dry)
- **Consider different versions of state's water future (Study Plans)**

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## 2001 Concurrence on Key Features

- Identify a variety of water management responses
- Consider multiple hydrologies and planning horizons
  - 2010, 2020, 2030, 2050

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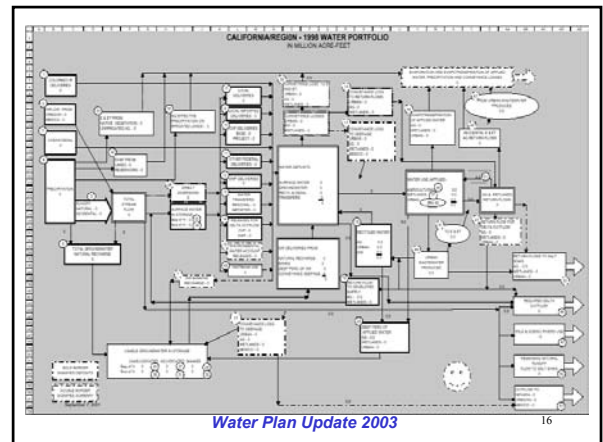
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## “Where We Are Now” Water Portfolio

- ~100 Water Supply & Use Categories
  - Water Flow Diagram (See brochure)
  - Water Balance Sheet (Annual Supplies & Uses)
  - Water Quality (SWRCB/RWQCB Nexus)
  - Narratives (Constraints, Decisions)
  - Data Tables (Supplemental Data)
- Prepare Separate Portfolio for 10 Regions, Mountain Co. Area, and Statewide

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## “Where We Are Going” Forecasting for 2030

- Consider 4 water demand “futures” and several response options by assembling Building Blocks into different Study Plans.
- Building Blocks are Key Factors (drivers, constraints, options) and their related Ranges (40 Factors and ~150 Ranges).
- Assemble Building Blocks to get state & regional Study Plans (Machado approach).

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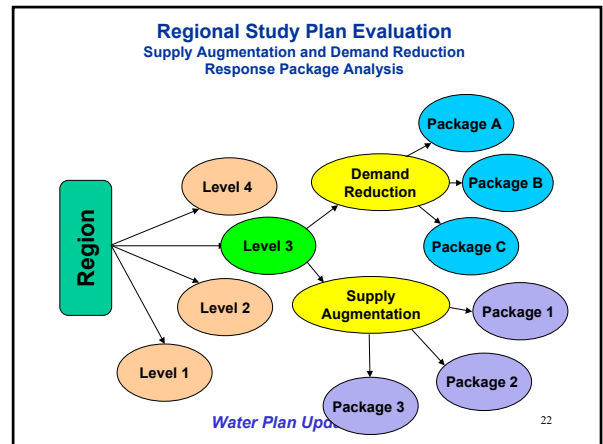
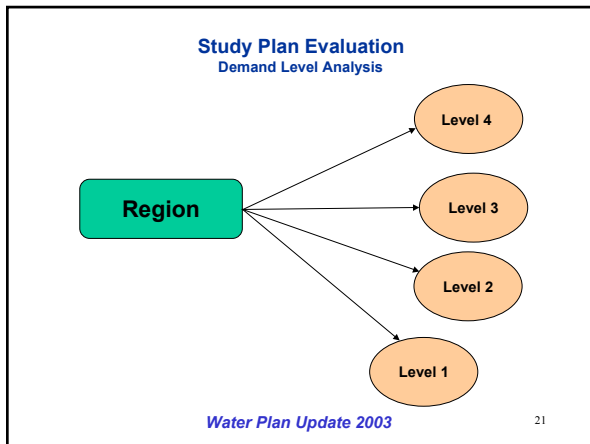
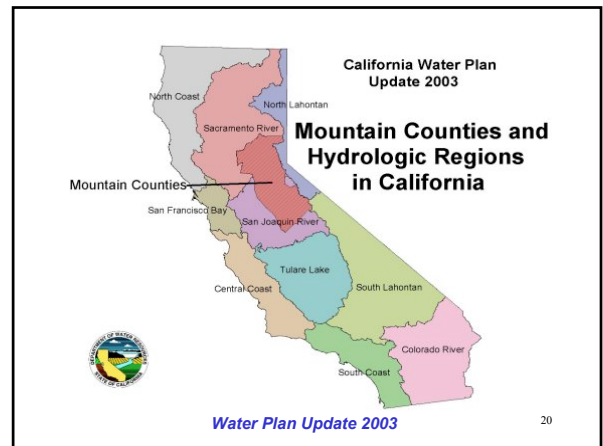
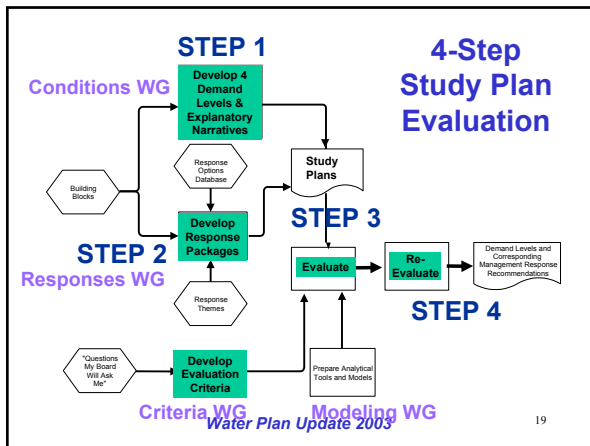
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## Building Blocks (Partial List) Conditions      Responses

- |                                      |                                      |
|--------------------------------------|--------------------------------------|
| • Population, Density & Distribution | • Urban Use Efficiency               |
| • Commercial Activity                | • Ag. Use Efficiency                 |
| • Industrial Activity                | • Recycling & Desal                  |
| • Crop Area & Mix                    | • Water Transfers (within and among) |
| • Envir. Water – Flow                | • GW & SW Integration                |
| • Envir. Water – Land                | • GW & SW Storage                    |
| • Use Efficiency Trend               | • Conveyance                         |

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## Next Steps

- Construct Study Plans –Spring/Summer 2002
- Evaluate Study Plans – Summer/Fall 2002
- Release Public Draft *Update 2003*
  - Summer 2003
- Conduct Public Hearings – Summer 2003
- Release Final *Update 2003* by Dec. 31, 2003

## Goals for Today's Briefing

- Introduce Update 2003 Process
- Summarize 2001 Accomplishments
- Highlight Water Portfolio
- Highlight 2030 Forecast Approach
- Identify Next Steps
- Get Your Input